



PATENT

In re application of: Ronaldson et al.

Attorney Docket No.: UDL1P044C1

Application No.: 10/075,965

Examiner: Behrend, H.

Filed: February 13, 2002

Group: 3641

Title: MONITORING A SAMPLE CONTAINING
A NEUTRON SOURCE

Confirmation No.: 1141

CERTIFICATE OF MAILING

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Signed: _____

Laura M. Dean

SUPPLEMENTAL RESPONSE TO RESTRICTION REQUIREMENT

Commissioner for Patents
Washington, DC 20231

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Dear Sir:

This Supplemental response to the Restriction Requirement dated August 7, 2002 is hereby presented.

IN THE CLAIMS

Please amend claim 3.

Please add claims 13 – 32.

DI 3. A method according to claim 1, wherein the single neutron count rate (R_1) is related to the spontaneous fission rate (F_s), the self induced fission rate (M), the detection efficiency (ϵ) and the α, n reaction rate (α) by the function:

$$R_1 = (\epsilon)(F_s)(M)(v_{s1})(1 + \alpha),$$